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	. 보통 그는 그는 상대에는 되고 있는 이 역사를 통해 현실 등에서 이 등을 받는 것 같다.	•
	MEMORANDUM FOR: Deputy Director of Central Intelligence	
	THROUGH : Executive Director-Comptroller	
	Director, Office of Planning, Programming	
	& Budgeting	
	Assistant Deputy Director for Intelligence	
	SUBJECT : Request for Approval to Contract for the	
	Design and Fabrication of a Dual Format	
	Data Block Reader with Fairchild Space	
	& Defense Systems Division at a Cost of	. 05)/4
<u> </u>	from FY-1972 R&D Funds	25 <b>X</b> 1
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- '	1. This memorandum requests approval for the commit-	
•	ment of R&D funds for an NPIC contract. The specific	
•	request is stated in paragraph nine.	
	2. The National Photographic Interpretation Center,	
	through NSCID #8 and the National Tasking Plan, is charged	•
	with providing the most effective, timely, and economic	
1	exploitation of photography and remote sensory products. The Center is also charged with providing certain additional	
:	support to the intelligence community, such as updating	
•	and maintaining the National Data Base and maintaining	
	a back-up ephemeris capability. The manual,	25 <b>X</b> 1
	October 1970.	25X1
	Page 9 states: "NPIC will maintain a back-up capability	• .
	to the Mission Performance Report (MPR). In the event	
	the MPR cannot be made available, NPIC will develop	
	ephemeris and frame data based on telemetry tapes provided	25V1
	from the and actual film	25 <b>X</b> 1
	formats. This information will then be made available to all MPR recipients."	
:		
	3. While NPIC has been aware of this general "back-	
	up data" requirement for quite some time, a new responsi-	
	bility has recently been introduced. Latest reports	
	indicate that the MPR, which precedes each mission, will	-
	not contain the time data readout required for data reduc-	
	tion of the Mapping Camera System	25X1
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Request for Approval to Cont SUBJECT: Fabrication of a Dual Forma Fairchild Space & Defense Systems Division at a Cost from FY-1972 R&D Funds

this information is contained only in the binary data block recorded on the film. Therefore, it will be necessary for NPIC to read the time data from each frame of Stellar/Terrain photography after receipt of the film in the Center. information will enable NPIC to:

Accurately update the National Data Base.

Provide Center components with precise data for positioning targets.

Provide the mapping community with data of the accuracy required in charting and mapping.

In this regard, the main camera system time readout (which is included in the MPR) will not suffice for the Mapping Camera System since the two systems are separately operated, and it is possible that the conjugate imagery can have as much as 100%, or as little as 0%, common coverage between the terrain camera and the main panoramic cameras.

- Investigation into the process of manually providing this readout has shown that, for the 4000 frames of information involved, it may be possible (through interpolation) to provide this data within one working week. However, the inherent accuracy provided by the attitudinal system (time readout to 0.1 millisecond) cannot be maintained through an interpolation of the data. Additionally, approval has now been granted to replace the 3400 type film with ultrathin base film in the fourth stellar/terrain package; this will increase the frame count from approximately 4000 frames to approximately 7000 frames--virtually an impossible task It is anticipated that Center operations for manual readout. will require, and make the utmost use of, this refined accuracy inherent in the Stellar/Terrain system, as it will furnish target positional information an order of magnitude more accurate than current systems. Additionally, the Mapping, Charting and Geodetic (MCG) groups in the intelligence community will use the data for position refinement in their exploitation.
- The proposed Dual Format Data Block Reader (DFR) will provide the capability of rapidly and accurately reading time data from both the stellar and terrain camera formats

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	SUBJECT: Request for Approval to Contract for the Design and Fabrication of a Dual Format Data Block Reader with Fairchild Space & Defense Systems Division at a Cost from FY-1972 R&D Funds	25 <b>X</b> 1
	9. It is requested that approval be granted to negotiate a contract with Fairchild Space and Defense Systems for the design and fabrication of a Dual Format Data Block Reader at a cost not to exceed from FY-1972 R&D funds.	25 <b>X</b> 1
	ARTHUR C. LUNDAHL Director National Photographic Interpretation Center	-
	Attachments: 1. Proposa1 2. Form 2420	
	CONCUR:  Assistant Deputy Director for Intelligence Date	
	APPROVED:    Deputy Director of Central Intelligence   Date	. ·.
	Distribution: Copy 1 - NPIC/SS/SC&PB (After approval) 2 - DDCI 3 - ER 4 - Exec. Dir-Compt 5 - PPB 6 - ADDI 7&8 - NPIC/ODir 9 - NPIC/TSG 10 - NPIC/TSG/RED	

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